SHORT COURSE ON NWP SYSTEM COMPONENTS USING CONTAINER TECHNOLOGY

SHORT COURSE ORGANIZER
Jamie K. Wolff

SATURDAY, 5 JANUARY 2019

8:30 A.M. ARRIVAL AND INTRODUCTIONS   JAMIE WOLFF

8:45 A.M. WHY USE CONTAINERS?   JAMIE WOLFF
    INTRODUCTION TO DOCKER

9:15 A.M. PARTICIPANTS INSTALL COURSE CONTAINERS ON LAPTOPS   JOHN HALLEY GOTWAY

9:30 A.M. INTRODUCTION TO CONTAINERIZED NWP (WPS/GSI/WRF/UPP)   JAMIE WOLFF
    AND CASE STUDY OVERVIEW

9:40 A.M. PARTICIPANTS RUN WPS, GSI, WRF, AND UPP CONTAINERS   JOHN HALLEY GOTWAY
    FOR SELECT CASE(S)

10:00 A.M.   **COFFEE BREAK**

10:30 A.M.   **DOCKER ORIENTATION**   JOHN HALLEY GOTWAY
                                                                                          MIKE KAVULICH JR.

11:30 A.M.   **MODIFYING WPS/GSI/WRF/UPP RUN-TIME OPTIONS WITHIN**   MIKE KAVULICH JR.
    THE CONTAINER

12:10 P.M.   **SHORT COURSE LUNCHEON (ON YOUR OWN)**

1:30 P.M. INTRODUCTION TO CONTAINERIZED VISUALIZATION   MIKE KAVULICH JR.
    (NCL) AND MODIFYING FOR USER-SPECIFIED NEEDS

1:40 P.M. PARTICIPANTS RUN NCL CONTAINER USING OUTPUT   MIKE KAVULICH JR.
    FROM DTC-NWP CONTAINER

1:50 P.M. INTRODUCTION TO CONTAINERIZED VERIFICATION TOOLS   TARA JENSEN
    (MET) AND MODIFYING FOR USER-SPECIFIED NEEDS

2:30 P.M. PARTICIPANTS RUN MET CONTAINERS USING   JOHN HALLEY GOTWAY
    OUTPUT FROM EARLIER EXERCISE

3:00 P.M. COFFEE BREAK

3:30 P.M. INTRODUCTION TO CONTAINERIZED PLOTTING OF   TARA JENSEN
    STATISTICAL OUTPUT (METViewer)

3:50 P.M. PARTICIPANTS RUN METVIEWER CONTAINER   JOHN HALLEY GOTWAY

4:30 P.M. **REVIEW TAKE-AWAY CONCEPTS DEMONSTRATED DURING**   JAMIE WOLFF
            THE COURSE; SOLICIT EXPERIENCES FROM HANDS-ON EXERCISES;
            ANSWER ANY REMAINING QUESTIONS

5:00 P.M. END COURSE